



The Maritime News

The Official Newspaper
of San Francisco Maritime
National Historical Park

December, January, February 2010/2011

Welcome To Our Floating Classrooms



Education Programs For Kids

What springs to mind when you think about education programs? Maybe if you are a baby boomer you are back in the classroom, sitting in alphabetically arranged rows, or if you are younger, doing group work with three other classmates. Better yet, your first thought is of a place beyond the four classroom walls. Our 393 national parks offer these wonderful alternative classrooms and San Francisco Maritime National Historical Park is no exception.

For over 20 years, SF Maritime, and our partner, the SF Maritime National Park Association, have been enriching the lives of tens of thousands of schoolchildren with ranger-led programs, tours, demonstrations, over-night and day-long experiential immersions in history, sailing on the Bay, and learning how to build a boat—and then how to sail or row it!

What better place to learn more about 19th century maritime history than aboard *Balclutha*. The Age of Sail program, with instructors playing the roles of captain, mate, and cook, lead the students, or "lads," in an 18 hour journey set in the year 1906. The students work together in crews to solve problems such as throwing a heaving line, rigging a bosun's chair and cooking for the crew on a wood burning stove. They step lively and gain the necessary skills to set sail on the evening tide (while *Balclutha* remains safely moored to Hyde Street Pier). "Captain Mann, you were strict and tough but you were a big part of our transformation from green-hands to slightly salty sailors. Thanks," wrote Nali, a fourth grade student.

It is almost a daily occurrence Monday through Friday to see a class of elementary students following a park ranger down the pier en route to a tour of the historic ships. After learning about life at sea in the classroom, the kids get to sit on the sailors' bunks in the fo'c's'le, sing a sea chantey, and figure out what goes on in the galley. Our park partner offers longer programs focusing on the Gold

Clockwise from top left: Students, or "lads," on *Balclutha*'s main deck during the Age of Sail program, a ranger-led tour at Hyde Street Pier, raising *Balclutha*'s staysail, rowboat built by highschool students in the youth boatbuilding program, turning the capstan and singing a sea chantey, and all heave together to raise the mainsail during the Explorers program on *Alma*. Photos: NPS and SF Maritime National Park Association

Rush and life on the Barbary Coast. Students also participate in the Explorers program, a classroom that floats, and sails, on the Bay. Serving as the crew on the historic scow schooner *Alma*, students are introduced to navigation and charts, hoist sails, and take a trick (turn) at the helm.

The youth boat building and sailing program for socio-economically diverse San Francisco high school students pulls kids together for eight weeks to build a small boat from start to finish. Said one participant, "It has taught me a lot of things about myself that I didn't even know. Like how much effort it takes to work in a team and how to be responsible. It helped me realize that I can do what I want to do in my life."

Through our education programs we strive everyday to engage our young visitors, light up their imaginations, and foster a life long interest in history. Stepping aboard *Balclutha* is a tangible act, but many times it is participation in an education program that gives students a connection to the intangible meanings she also represents—beauty, struggle, freedom, wonder. Helping all visitors make these connections is a core mission of our national parks.

For more information, and to make a reservation for an education program, contact mgardner@maritime.org and visit www.nps.gov/forteachers and www.maritime.org/nmmaedu.htm.

Welcome

In this issue we spotlight the very special experiential education programs we offer in partnership with the San Francisco Maritime National Park Association. These unique learning opportunities leverage the park's cultural resources and the Association's professional education staff to create "floating classrooms" that get youngsters outdoors and engaged.

This February in the park, look for a slate of programs marking African American History month, including an exposition of the maritime routes of the Underground Railroad and a sing-along exploration of the African American/Caribbean contribution to traditional sea chanteys.

Inside this edition, the acquisition of an archival collection sparks a fascinating glimpse into the history of the Hicks Engine, the thumping "heartbeat" of West Coast Monterey fishing boats – and a once-common sound along the San Francisco waterfront. And don't miss the historic crew photos featuring ship's mascots!

I hope you enjoy your visit to San Francisco Maritime National Historical Park this winter.

Craig Kenkel
Superintendent



1 Floating Classrooms and Kids

For over 20 years, SF Maritime, and our partner, the SF Maritime National Park Association, have been enriching the lives of tens of thousands of schoolchildren.

2 Potato, Potato, Potato...

No, we're not talking about a trip to Idaho, rather the unique sound of a Hicks engine.

4 Space Cadets Get Educated

Captain Zog and First Mate Zig leave technology behind. Read more on page four.



Education Programs For Kids...1

Superintendent's Message...1

Visitor Information...2


Hicks Marine Engine...2

Events and Programs...3

Comics for Kids...4

Park Map...4

Today in the Park...4



National Park Service

U.S. Department of the Interior

San Francisco Maritime
National Historical Park

Established in 1988, San Francisco Maritime National Historical Park encompasses 34 acres, and contains the most National Historic Landmarks of any unit in the National Park Service. In addition to the fleet of historic ships at Hyde Street Pier, the park includes the Aquatic Park Historic District (Maritime Museum, beach, lawn area, and bocce ball courts), a Visitor Center and a research library (in Fort Mason Center).

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Collections Corner

Hicks Marine Engine Archival Collection

BY PALMA YOU, MUSEUM TECHNICIAN

Say the words “potato, potato, potato” and you will hear the sound and rhythm of a Hicks marine engine circa 1910 through 1950. Hicks Engine plans and marketing materials (SAFR 17336, HDC 1092), the park’s archival collection of over 2,850 Hicks engine fabrication blueprints, provides revealing details about the innovative gasoline engine most often used in Monterey fishing boats operating along the West Coast during the first half of the 20th century.

Hicks Iron Works, established by James Lee Hicks in the late 1800s, manufactured and sold single cylinder four-stroke gasoline engines when two-stroke engines were common throughout America. At that time, San Francisco was an epicenter of gasoline engine development and manufacturing because of its central location on the developing coast. Hicks, who refined and worked with gasoline engines as early as 1900, had by 1910 become a notable part of the drive to produce and manufacture engines in the Bay Area.

The eight horsepower single cylinder “friendly” engine became the fishermen’s

An illustration of a one cylinder, eight horsepower Hicks engine included in the park's artifact collection, circa 1940. At right, a volunteer on Hyde Street Pier explains to visitors how to start and run one. The Hicks engine was the most popular power source for Monterey fishing boats. The blueprint, below, circa 1920, is one of many fabrication blueprints included in the archival collection. SAFR 17336, HDC 1092

favorite, particularly along San Francisco’s Fisherman’s Wharf, where the Hicks engine was the most popular power source for Monterey fishing boats. The engines were easy to start, durable, reliable, and economical to operate and repair. Local manufacturing plants meant parts were easily accessible. Advertisements aimed at fishermen touted the engine as a “SURE” piece of equipment they could rely on. “Your life is at stake. Your earnings depend upon how the engine works,” claimed a 1930 Hicks engines catalog.

The archive collection includes blueprints, assembly and price lists, a catalog and instruction manual, photographs, and illustrations of parts. Blueprint title blocks

indicate the unique engine series number, part name and number, and issue date. Plans for series B, C, D, E, F, W, Sketch, AY, BY, CY, DY, EY, FY, GY, HY, KY and LY model engines, which have one to three cylinders and horsepower ranging from six to 45, are included. Bay Specialties Company of Martinez, California, manufacturer of Hicks engine parts from 1939 to 1950, donated the collection in 1994.

About a half dozen Hicks engines are alive and well today, chugging along in vessels on the San Francisco Bay. Two are on display at Hyde Street Pier. Visit the small craft dock at the pier and see a 1923 Monterey boat with a Hicks engine on exhibit. You might also hear the distinctive “potato, potato, potato” sound while on the pier. A park ranger or volunteer may have the stationary Hicks engine fired up and running for a demonstration—look for it near the end of the pier. Ranger-led tours of the small craft moored at the pier will be conducted Dec. 26, Jan. 2, and Feb. 12, at 3:00 pm. Call the Visitor Center for Hicks engine demonstration dates and times, 415-447-5000.

Captains' and Crews' Best Friend

The “Old Man,” or captain of a ship like the *Balclutha* was the ultimate authority on the vessel. He made the decisions, and his officer, the first mate, made sure they were

A group of ship captains aboard an unidentified vessel during the early to mid 1890s. Clearly the dog was important enough to be included in this group portrait. He is even wearing a bow tie. SAFR K9.28,540

carried out. No committees were formed, not much discussion ensued, and if things went wrong, the crew looked to the captain to fix it.

Ships would often be at sea for months. Married captains might occasionally have the option to bring their wives along, but life aboard a 19th sailing ship was difficult, especially for a woman with young children. The captain of course formed relationships with his officers, and sometimes invited them to dine with him, but an authoritative distance was maintained. Sometimes, to combat loneliness, the captain brought along a four-legged (or winged) companion.

Animals have always served as important members of a ship's crew. Even though many of them worked to control pests, their main function was to serve as the ship mas-

cot. The dogs, cats, birds, monkeys, and even the bear cubs that went to sea as mascots can be seen in some of the historic photos that are part of the park’s archival collections.

For more information on the collections, call the park library, 415-561-7030. To see more of these photos go to www.nps.gov/safr/forkids/animalspartofshipcrew.htm

This group of unidentified men, and a dog, are at the stern end of the sailing ship, *Star of England* in 1922. One man is at the helm, holding the ship’s wheel. The photo was taken in the early spring and the men are headed to Alaska to spend the spring and summer working in fish canneries. Maybe the fellow holding the dog is smiling because he gets to bring his faithful friend along. SAFR J9.28,909

Visitor Information

Dates and Hours of Operation:

Hyde Street Pier, located at Hyde and Jefferson Streets, is open 9:30am to 5pm. Last pier entry at 4:30pm.

Visitor Center, located at the corner of Hyde and Jefferson Streets, is open 9:30am to 5pm.

Maritime Museum (in the Aquatic Park Bathhouse Building), located on Beach Street at the foot of Polk Street. The building is open from 10am to 4pm daily.

Maritime Library, located on the third floor of Building E in Fort Mason Center (auto entrance at Buchanan Street and Marina Blvd). The library is open by appointment, 1pm to 4pm, Monday through Friday, and the third Saturday of the month. Call 415-561-7030 to schedule an appointment.

Contact Information
General Park Information: 415-447-5000
Pacific West Info Center: 415-447-0463
Maritime Store: 415-775-2665
USS Pampanito: 415-775-1943
Park Website: www.nps.gov/safr
Association Website: www.maritime.org
Library Friends: www.maritimelibraryfriends.org

Entrance Fee for Historic Vessels: \$5
Free for supervised children under 16.
Free with Federal Interagency Annual, Senior, and Access Passes, and San Francisco Maritime NHP Annual Pass.

No-Fee Areas
Visitor Center, Hyde Street Pier, Museum Building, Aquatic Park Historic Landmark District, and the Maritime Library (Fort Mason Center).

Reservations
Reservations for school groups and other educational groups must be made at least two weeks prior to your visit, call 415-292-6664.

Accessibility Information

Programs in the Visitor Center, on Hyde Street Pier, and in the library are accessible. Accessibility to programs on the ships varies. For detailed information, please call the Visitor Center, 415-447-5000, or <http://www.nps.gov/safr/planyourvisit/accessibility.htm>.

Permits
Special Use Permits require at least a one month notice and application. Filming permits are arranged on an individual basis, call 415-561-7170.

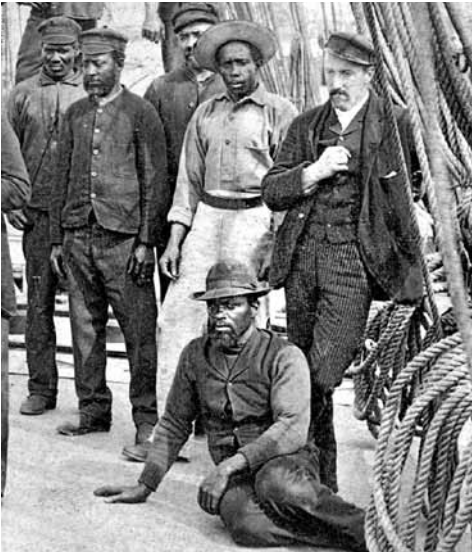
2 Maritime News

Music, Tours, Events, Lectures and Living History

AFRICAN AMERICAN HISTORY MONTH

THE SAGA OF CAPTAIN WILLIAM SHOREY
Sundays, February 13, 3pm, and February 27, 1:30pm. Meet in the Visitor Center. Free.
A series of slides will introduce you to the extraordinary life and accomplishments of the only Black whaling ship captain on the West Coast.

MARITIME ROUTES OF THE UNDERGROUND RAILROAD
Saturday, February 5, 1:30pm. Meet in the Visitor Center. Free.
A presentation on the use of ships as routes to freedom on the Underground Railroad. The California Gold Rush, West Coast whaling, stories of escape, and uncovering lost stories will be included.



BLACK AMERICANS AT SEA
Saturdays, February 19 and 26, 1-1:30pm. Meet in the Visitor Center. Free.
Join San Francisco Maritime Ranger Tom Jares for a look at the lives of African American seamen during the Age of Sail. Discover the pivotal role they played in maritime history.

EXHIBIT: AFRICAN AMERICANS IN THE MARITIME TRADES
Daily, throughout February. In the Visitor Center.
Photo exhibit about the contributions of African Americans in maritime industries.

CHANTEYS: THE AFRICAN AMERICAN AND CARIBBEAN CONNECTION
Saturday, February 12, 1-1:45pm. Aboard Balclutha at Hyde Street Pier. Vessel admission.
Discover African American and Caribbean work songs of sailors, oarsmen, longshoremen and fishermen. Join Park Ranger Peter Kasin and Park Volunteer Richard Adrianowicz and join in on the choruses to these compelling chanteys.

MUSIC

CHANTEY SING
Saturdays, December 4, January 8, and February 5, 8pm-midnight. Free. Aboard a historic vessel at Hyde Street Pier. Reservations required: call 415-561-7171 or email peter_kasin@nps.gov.
Sing traditional working songs aboard a historic floating vessel. Bring a mug for hot cider served from the ship's galley.

MUSIC OF THE SEA FOR KIDS
Saturdays, December 18, January 15, and February 19, 3pm. Aboard Balclutha at Hyde Street Pier. Vessel admission (under 16 free).
History comes alive for kids in this special program, where the songs are geared for younger ears and chosen especially for fun. Ages 7 and up. ☺

PROGRAMS

BIRD WATCHING FOR CHILDREN AND BEGINNERS
Sunday, December 5, 10-11am. Meet in the Visitor Center. Free. All ages welcome!
Learn how to find and identify birds at Aquatic Park using binoculars and guidebooks. Guidebooks provided; bring binoculars if you have them. Dress warmly in layers. ☺

ANIMALS OF HYDE STREET PIER
December 4, 5, 18, 3pm; January 9, 10, 24, 1:30pm; February 7, 21, 1:30pm; February 26, 27, 3pm. Meet at the end of Hyde Street Pier. Free.
Come experience a whole different world you might not realize exists at Hyde Street Pier. ☺

MARITIME STORY TIME: THE TALE OF HENRY AND HARRY
Saturdays, December 4 and January 8, 1-1:30pm. Meet in the Visitor Center. Free. Ages 6-12.
Join in this fun-filled, interactive program about two stowaway kittens aboard the *Balclutha*. Find out what it was like to be a feline sailor in 1887. ☺

A SINGING TOUR OF BALCLUTHA
Sundays, January 9 and 23, 3pm. Aboard Balclutha at Hyde Street Pier. Vessel admission (under 16 free).
Being a sailor was a brutal job, but singing lessened the pain. During this tour, listen to examples of work and leisure songs. If you wish, you may join us to haul on a line as we sing. ☺

HISTORIC WATERFRONT WALKING TOUR: FROM GOLD RUSH TO NATIONAL PARK
Saturdays and Sundays, 10:30-11:30am. Meet in the Argonaut Hotel lobby (495 Jefferson St.), adjacent to the Visitor Center. Free.
Stroll with a Park Ranger to discover the history of this vibrant area on a walking tour through the Aquatic Park Historic District, the Cannery, Hyde Street Pier, and "Fish Alley" at Fisherman's Wharf. We'll walk about a mile, on gently sloping and uneven terrain. Dress in layers, wear sunscreen, and walking shoes. ☺

MARITIME MUSEUM
Open 10:00am to 4:00pm daily. Located at 900 Beach Street, at the foot of Polk Street. Free.
The newly restored 1939 Works Progress Administration-era building's lobby and veranda are open to the public. View the the unique architecture, stunning murals, sculpture, and temporary exhibits. ☺

ADVENTURES AT SEA: LIFE ABOARD A 19TH CENTURY SAILING SHIP
Daily, 2:15pm. Aboard Balclutha at Hyde Street Pier. Vessel admission (under 16 free).
Join a guided tour of the historic ship *Balclutha*. Discover the hardships and rewards of the sailors who fought for survival during the treacherous Cape Horn passage. ☺

LIGHTHOUSES OF SAN FRANCISCO BAY
Sundays, December 19, January 16, and February 20, 3:15pm. Meet in the Visitor Center. Free.
Join Volunteer Warren Riley for a program on the role of lighthouses in the development of San Francisco. Learn about the history, equipment, and unique people who ran lighthouses.

☺ FUN FOR FAMILIES PROGRAM

ALONG THE WATERFRONT
Sundays, December 19, January 16, and February 20, 1pm. Meet in the Visitor Center. Free.
Join Volunteer Warren Riley for an illustrated talk on changes to the San Francisco waterfront. Learn how historical events, such as the discovery of gold in 1848, contributed to the transformation of the waterfront over more than 100 years.

HERCULES ENGINEERING TOUR
Sundays, December 12, January 16, and February 6, 3pm. Meet at the gangway on the Pier. Vessel admission (under 16 free). Tour includes climbing moderately steep ladders and entering cramped spaces.
Explore the major engineering spaces and learn about steam engine technology and its effects on the working environment of the marine steam engineer. ☺

EUREKA ENGINE ROOM TOUR
Sunday, December 5, 3-3:45pm, Saturday, January 8, 3-3:45pm, and Sunday, February 13, 1:30pm-2:15pm. Meet on Eureka's gangway. Vessel admission (under 16 free).
Take a special tour of the ferryboat *Eureka's* engine room and get a close-up look at what makes a steam ferry run. ☺

SMALL CRAFT COLLECTION TOUR
Saturdays, December 11, January 15, and February 12, 9:30am-2:30pm. Free. Call 415-292-6664, or email mgardner@maritime.org, to make a reservation and for directions to the warehouse.
We'll tour the collection of nearly 100 historic boats, stored in a warehouse in Alameda, talking about history, design and construction. Bring a bag lunch.

TOUR OF THE WW II SUBMARINE USS PAMPANITO
December 7 & 16, January 11 & 20, and February 8 & 17, 2pm. Meet at the submarine located at Pier 45, Fisherman's Wharf. Call 415-775-1943 for ticket prices.
Join a park ranger for a tour of this Balao-class submarine (SS-38). Now a museum and memorial, the vessel made six patrols in the Pacific during WWII. The tour will emphasize stories about dramatic events during those patrols.

LIFESAVING AT THE GOLDEN GATE
Saturdays, January 22 and February 5, 3pm-3:45pm. Meet in the Visitor Center. Free.
In San Francisco's maritime heyday, countless lives were saved by the brave men of the Lifesaving Service. Join us at the Visitor Center to view the tools of the trade. ☺

SMALL CRAFT ON HYDE STREET PIER
Sundays, December 26 and January 2, and Saturday, February 12, 3pm-3:45pm. Meet at the Small Boat Shop. Free.
Join a Park Ranger for a special tour of the unique collection of small craft on the pier and berthed at Hyde Street Pier's floating docks. ☺

You can show your support for the park through membership in the San Francisco Maritime National Park Association, our non-profit partner organization. Your membership assists with education and preservation projects for park ships and collections. Membership comes with special benefits at each level, including free ship admission and Hyde Street Pier Store discounts. For more information, call Member Services at 415-561-6662 x12, or go to www.maritime.org.



HOLIDAY EVENT

CHRISTMAS AT SEA
Saturday, December 11, 3:00pm. Aboard the historic vessels at Hyde Street Pier. Vessel admission (under 16 free). Evening program begins at 6pm. For information 415-447-5000.
Bring the family down to Hyde Street Pier for an old fashioned holiday. Music, refreshments, ornament-making, and a visit from Santa (by boat) will be part of the fun from 3pm to 4:45pm. Then, beginning at 6pm, the park's costumed Living History players will take you back to a bygone era, where you will meet and talk with the Captain and crew of the *Balclutha*, passengers on the *Eureka* ferryboat in their holiday best, and the cream of San Francisco society aboard the Ark houseboat. It all happens during a lamplit tour of the vessels decorated for Christmas 1901. *Reservations required for the 6pm program, call 415-447-5000.* ☺

COSTUMED LIVING HISTORY

A DAY IN THE LIFE: 1901
Saturday, December 11, 6-9pm. Aboard the historic vessels at Hyde Street Pier. Vessel admission (under 16 free). Reservations required, please call 415-447-5000.
Step back in time to Christmas 1901. See the [Holiday Event](#) entry above. ☺

IN THE LIBRARY

The library is open by appointment, 1pm to 4pm, Monday through Friday and the third Saturday of the month. Call 415-561-7030 to schedule an appointment.
The following programs are held in the Maritime Library, Building E, Fort Mason Center. For reservations call 415-561-7040 or melani_van_petten@partner.nps.gov.

SO ENDS THIS DAY: PORTUGUESE IN AMERICAN WHALING 1765-1927
Saturday, January 22, 6pm. Donation: \$5 (general public); \$4 (Library Friends and SFMNPA members).
Historian Don Warrin will discuss his new book, *So Ends This Day*, relaying the story of Portuguese crewmen who ultimately came to dominate American whaling. Copies of the book will be available for sale and signing.

THE HUNLEY: SAGA OF A CONFEDERATE SUBMARINE
Saturday, February 12, 6pm.
Join us in viewing the video, *The Hunley*, about the first submarine to successfully sink a warship. After sending a torpedo into the powder magazine of the U.S.S. *Housatonic*, the submarine vanished—not to be seen again for 136 years. We will then watch the documentary, *Raising the Hunley*, the story of the sub's dramatic rediscovery in 2000. A discussion will follow.



Friends of the San Francisco Maritime Museum Library
Join the Friends and help support the J. Porter Shaw Library at San Francisco Maritime National Historical Park. Membership includes reduced admission to Friends' events, free admission to the Pier and ships, and discounts on books purchased at the library and The Maritime Store on Hyde Street Pier. Call 415-561-7040.

Today In The Park

For more information about these programs, please turn to page three.

DECEMBER

- 1 Guided Tour of *Balclutha* (daily)
- 4 Historic Waterfront Walking Tour (every Saturday)
Maritime Story Time
Animals of Hyde Street Pier
Chantey Sing
- 5 Historic Waterfront Walking Tour (every Sunday)
Bird Watching for Children and Beginners
Animals of Hyde Street Pier
Eureka Engine Room Tour
- 7 *USS Pampanito* Tour
- 11 Small Craft Collection Tour
Holiday Program
- 12 *Hercules* Engineering Tour
- 16 *USS Pampanito* Tour

- 18 Animals of Hyde Street Pier
Music of the Sea for Kids
- 19 Along The Waterfront
Lighthouses of SF Bay
Hercules Engineering Tour
- 20 *USS Pampanito* Tour
- 22 Lifesaving at the Golden Gate
Library Program
- 23 Singing Tour of *Balclutha*
- 24 Animals of Hyde Street Pier

JANUARY

- 1 Park Closed: Happy New Year
- 2 Guided Tour of *Balclutha* (daily)
Historic Waterfront Walking Tour (every Sunday)
Small Craft on Hyde Street Pier
- 8 Historic Waterfront Walking Tour (every Saturday)
Maritime Story Time
Eureka Engine Room Tour
Chantey Sing
- 9 Animals of Hyde Street Pier
Singing Tour of *Balclutha*
- 10 Animals of Hyde Street Pier
- 11 *USS Pampanito* Tour
- 15 Small Craft Collection Tour

- Music of the Sea for Kids
- 16 Along The Waterfront
Lighthouses of SF Bay
Hercules Engineering Tour
- 20 *USS Pampanito* Tour
- 22 Lifesaving at the Golden Gate
Library Program
- 23 Singing Tour of *Balclutha*
- 24 Animals of Hyde Street Pier

FEBRUARY

- 1 African American Exhibit Opens in Visitor Center
Guided Tour of *Balclutha* (daily)
- 5 Historic Waterfront Walking Tour (every Saturday)
Maritime Routes of the Underground Railroad
Lifesaving at the Golden Gate
Chantey Sing
- 6 Historic Waterfront Walking Tour (every Sunday)
Hercules Engineering Tour

- 7 Animals of Hyde Street Pier
- 8 *USS Pampanito* Tour
- 12 Small Craft Collection Tour
Chanteys: African American & Caribbean Connection
Small Craft on Hyde Street Pier
Library Program
- 13 *Eureka* Engine Room Tour
Saga of Captain Shorey
- 17 *USS Pampanito* Tour
- 19 Black Americans at Sea
Music of the Sea for Kids
- 20 Along The Waterfront
Lighthouses of SF Bay
- 21 Animals of Hyde Street Pier
- 26 Black Americans at Sea
Animals of Hyde Street Pier
- 27 Saga of Captain Shorey
Animals of Hyde Street Pier

Park Website: www.nps.gov/safr

Comics for Kids

The Maritime News is printed on recycled paper using soy-based inks. Please recycle it again.

OUR OUTER SPACE VISITORS CONTINUE THEIR EDUCATION AT THE PARK. FORCED TO LEAVE THEIR ZAPHROID JEWEL ENCRUSTED TELEPATHIC COMMUNICATORS ON THE SAUCER, THEY SLITHER UP BALCLUTHA'S GANGWAY FOR A NIGHT OF FUN ON THE AGE OF SAIL PROGRAM...

Lad, after you swab the starboard deck, pump the port bilge, coil down the lines, figure out which way to the bow, visit the head, and check the stern end hold, report to the captain on the poop deck.

SERIOUSLY LADS, WHAT DOES HE WANT ME TO DO? CAN I HAVE SOME HELP HERE?????

BUT MATE SIR I WANT TO HELP HAUL THE LINE BUT I NEED SOME OF THOSE ARM THINGS!

CLEARLY ZOG AND ZIG HAVE A LOT TO LEARN ABOUT BEING SAILORS ABOARD AN 1886 SAILING SHIP. SAILORS USE THEIR OWN SPECIAL LANGUAGE FOR PARTS OF THE SHIP. HELP THEM BY DOING THE CROSSWORD.

Across
4. The right side of the ship.
6. Raised deck at the back of a ship.
7. Ropes

Down
1. What sailors call the bathroom on a ship.
2. The left side of the ship.
3. Where cargo is stored.
4. The back of the ship.
5. The front of the ship.

Answers: Down 1) Head 2) Port 3) Hold 4) Stern 5) Bow; Across 6) Starboard 7) Lines

